M Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2016, Michigan

					Pe	troleum				Biomass					Electrical	
Year	Coal Thousand Short Tons	Natural Gas ^a Billion Cubic Feet	Distillate Fuel Oil	HGL b	Kerosene	Motor Gasoline ^c	Residual Fuel Oil	Total d	Hydro- electric Power ^{e,f}			Solar ^{f,h}	Retail Electricity Sales			
			Thousand Barrels						Million Kilowatthours	Wood and Waste ^{f,g}	Geothermal ^f	Million Kilowatthours		Net Energy ^{f,i}	System Energy Losses j	Total ^{f,i}
0	982	43	3,212	192	566	324	1,175	5,468	NA			NA	6,381			_
5 0	760 378	85 133	3,019 3,482	232 444	946 403	536 804	839 558	5,572 5,691	NA NA			NA NA	9,124 13,021			-
5	279	182	3,589	516	224	954	390	5,672	NA NA			NA NA	14,596			
0	243	190	3.123	333	15	823	225	4.519	NA			NA	16,765			_
5	197	158	2,449	438	11	699	274	3,872	NA			NA	18,421			-
0	214	159	2,010	646	18	770	71	3,516	0			0	21,986			-
5 6	221 238	194 201	1,638 1,766	792 1,063	102 149	77 77	5 5	2,614 3,060	0			0	32,153 32,896			-
7	167	192	1,917	1,005 939 1,064	56	76	55	3,108	0			0	33,231			
8	129	192 163 179	1,506	939	56 66 37 33 35 28	208	2	2,720	Ŏ			Ŏ	34,710			-
9	129 18 12 8	179	1,401	1,064	37	171	2 3	2,676	0			0	36,040			-
0	12	187	1,577 1,525	1,095 1,368	33	159 433	.5	2,868	0			0	36,793			-
1	8	174	1,525	1,368	35	433	17	3,378	0			0	35,925			
2	234 28	176	966 1,184	1,461	28	247 203	64 90	2,767 3,078	0			0	36,835 35,391			-
4	161	186 175	1,063	1,582 1,547	19 22	191	49	2,872	0			0	38,632			
5	141	175	1,267	933	28	207	4	2,440	Ŏ			Ŏ	39,600			
3	8	154 164	1.337	915	26	91	2	2.370	0			0	39,299			
,	155	164	1,128	911	8	82	0	2,129	0			0	40,047			
3	190	172	1,055	998	7	84	56	2,200	0			0	38,974			
1	246 177	164 152	1,358 1,130	690 687	8 13	127 82	12 76	2,195 B 1,988	0			1 2	37,870 38,123			
,	163	164	1,240	654	9	79	98	R 2 080	0			9	38,613			
	163 90	164 145 172	1,172	654 751	š	79 78	47	R 2,080 R 2,052	ŏ			23	38,613 38,514			
3	73	172	1,337	943	7	81	1	R 2,369	0			24	37,698			
1	68 47	186	1,161	929 732	9	_ 3,199	4	R 2,369 R 5,303 R 4,078	0			26	37,349			
5 5	47 14	186 168 159	1,335 1,132	732 949	9 11	R 1,998 2,017	3 (s)	4,078 4,109	0			27 30	38,441 38,986			
		100	1,102	343		2,017	(3)	· · · · · · · · · · · · · · · · · · ·	Ilion Btu				50,500			
0	24.3	44.5	18.7	0.7	3.2 5.4	1.7	7.4 5.3	31.7	NA	0.4	NA	NA	21.8	122.8	53.8	176
5	18.7	86.0	17.6	0.9	5.4	2.8	5.3	31.9	NA	0.3	NA	NA	31.1	168.1	74.3	24
5	9.0	134.7	20.3	1.7 2.0	2.3 1.3	4.2	3.5 2.4	32.0 31.6	NA	0.3 0.3	NA	NA	44.4	220.4	107.5	32
)	6.5 5.9	186.4 194.0	20.9 18.2		1.3 0.1	5.0	2.4 1.4	31.6 25.3	NA NA	0.3 1.0	NA NA	NA NA	49.8 57.2	274.6 283.5	119.5 137.4	39
:		161.4	14.3	1.3 1.7	0.1	4.3 3.7	1.7	21.4	NA NA	1.0	NA NA	NA NA	62.9	250.9	144.0	42
5	4.8 5.3	166.5	11.7	2.5	0.1	4.0	0.4	18.8	0.0	1.0 7.3	0.0	0.0	75.0	269.2	191.4	46
,	5.4	201.9	9.5	3.0	0.6	0.4	(s)	13.6	0.0	9.0	0.1	0.0	109.7	335.2	237.1	57
,	5.9	208.3	10.3	4.1	0.8	0.4	(s) 0.3	15.6	0.0	10.8	0.1	0.0	112.2	348.4	251.3	59
3	4.1	200.0	11.2	3.9	0.3	0.4		16.1	0.0	11.0	0.2	0.0	113.4	340.1	257.4	59
	3.2 0.4	171.1 186.8	8.8 8.2	3.6 4.1	0.4 0.2	1.1 0.9	(s)	13.8	0.0 0.0	9.4 9.4	0.2 0.2	0.0 0.0	118.4 123.0	311.7 329.0	278.8 283.2	59 61
	0.4	193.6	9.2	4.1	0.2	0.9	(s) (s)	13.4 14.4	0.0	9.4 8.6	0.2	0.0	125.5	340.1	283.2 292.4	63
	0.2	179.1	8.9	5.2	0.2	2.3	0.1	16.7	0.0	2.6	0.2	0.0	122.6	320.6	284.6	60
	5.5	179.7	5.6	5.6	0.2	1.3	0.4	13.1	0.0	6.5	0.3	0.0	125.7	330.7	291.3	62
	0.7	191.7	6.9	6.1	0.1	1.1	0.6	14.7	0.0	6.5	0.4	0.0	120.8	334.7	277.3	61
	3.9 3.4	179.6 177.2	6.2 7.4	5.9 3.6	0.1 0.2	1.0	0.3	13.5 12.2	0.0 0.0	7.0 8.3	0.4 0.5	0.0	131.8 135.1	336.3 336.7	306.2 315.3	64 65
	0.2	177.2 156.7	7.4 7.8	3.5	0.2	1.1 0.5	(s) (s)	12.2	0.0	8.3 8.3	0.5 0.5	0.0 0.0	135.1	336.7 311.7	315.3	62
,	3.8	167.4	6.5	3.5		0.5	0.0	10.5	0.0	8.7	0.5	0.0	136.6	327.5	315.5	62
,	4.9	176.3	6.1	3.8	(s) (s)	0.4	0.4	10.7	0.0	8.7 9.1	0.5 0.6	0.0	136.6 133.0	334.5	315.5 298.9	64 63
)	6.4	167.2	7.8	2.6	(s)	0.6	0.1	11.3	0.0	7.3	0.7	(s)	129.2	322.1	279.6	60
)	4.6	154.8	6.5	2.6	0.1	0.4	0.5	10.1	0.0	7.5	0.7	(s)	130.1	H 307.8	285.8	59
l	4.1	165.8	7.2	2.5	0.1	0.4	0.6	10.7	0.0	7.5	1.1	0.1	131.7	321.0 R 299.8	289.3	R 61 R 58
	2.1 1.7	147.1 175.1	6.8 7.7	2.9 3.6	(s) (s)	0.4 0.4	0.3 (s)	10.4 11.8	0.0 0.0	7.8 7.2	0.9 0.9	0.2 0.2	131.4 128.6	R 325.5	281.3 275.2	_ 60
1	1.7	170.1	6.7	3.6	0.1	16.2	(S) (S)	R 26.5	0.0	7.5	0.9	0.2	127.4	R 354.1	270.5	R 62
2 3 4	1.6	189 0														
2 3 4 5	1.6 1.2 0.3	189.9 R 173.9 165.4	7.7 6.5	2.8 3.6	(s) 0.1	10.1 10.2	(s) (s)	R 20.7 20.4	0.0 0.0	7.9 8.9	0.9 0.9	0.3 0.3	131.2 133.0	R 336.0 329.2	261.7 263.8	R 59 59

a Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.

Beginning in 2009, includes a small amount of wind energy consumed by commercial utility-scale facilities. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they

Hydrocarbon gas liquids, assumed to be propane only.
 Beginning in 1993, includes fuel ethanol blended into motor gasoline. There is a discontinuity in this time series between 2014 and 2015 because of coverage. See Technical Notes, Section 4. d Includes small amounts of petroleum coke not shown separately

e Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately

identified.

† There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources

beginning in 1989.

9 Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

h Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the

¹ For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.

are mostly derived, but should be counted only once in net energy and total.

J Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes

^{— — =} Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy. Web Page: All data are available at https://www.eia.gov/state/seds/seds-data-complete.php.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.